

**(WO/1999/039411) A WAVELENGTH-SELECTABLE LASER SYSTEM USING CAVITY
RESONANCE FREQUENCY, ESPECIALLY USEFUL FOR FIBER OPTIC
COMMUNICATION AND WAVELENGTH DIVISION MULTIPLEXING**

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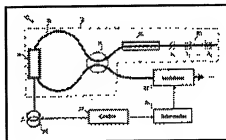
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Title: A WAVELENGTH-SELECTABLE LASER SYSTEM USING CAVITY RESONANCE FREQUENCY, ESPECIALLY USEFUL FOR FIBER OPTIC COMMUNICATION AND WAVELENGTH DIVISION MULTIPLEXING

Abstract: A wavelength-selectable laser system (10) is achieved by addressing the suitable mode-locked frequency of a multi-length laser cavity formed by multiple wavelength-selective mirrors (20) such as fiber gratings. This is useful for fiber optic communication and WDM (wavelength division multiplexing) networks where there is incorporated an information encoder/modulator (22) of the light in the sending side and a detector in the receiving side, which are matched to the laser system.



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